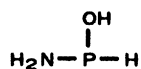
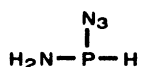
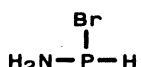
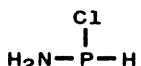
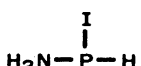
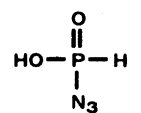
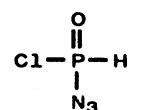
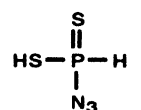
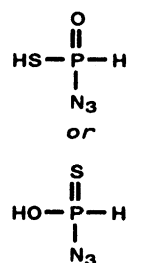


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**Phosphonamidous azide** [53142-79-3]**Phosphonamidous bromide** [25757-11-3]**Phosphonamidous chloride** [14616-20-7]**Phosphonamidous fluoride** [14616-21-8]**Phosphonamidous iodide** [25757-12-4]**Phosphonate**See *Phosphonic acid, ion(2-)* [15477-76-6]**hydrogen** — see *Phosphonic acid, ion(1-)* [15460-71-6]**Phosphonates**See *Phosphonic acid* [13598-36-2]**Phosphonazidic acid** [27629-65-8]**Phosphonazidic chloride** [14500-69-7]**Phosphonazidodithioic acid** [25841-71-8]**Phosphonazidothioic acid** [25841-72-9]**m-Phosphonazo III**

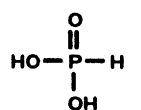
See 2,7-Naphthalenedisulfonic acid, 4,5-dihydroxy-3,6-bis[(3-phosphonophenyl)azo]- [64371-34-2]

Phosphonazo III

See 2,7-Naphthalenedisulfonic acid, 4,5-dihydroxy-3,6-bis[(2-phosphonophenyl)azo]- [16017-11-1]

Phosphonazo pl

See 2,7-Naphthalenedisulfonic acid, 3-[(4-chloro-2-phosphonophenyl)azo]-4,5-dihydroxy-6-[(4-iodophenyl)azo]- [85308-79-8]

Phosphon DSee *Phosphonium, tributyl[(2,4-dichlorophenyl)methyl]-, chloride* [115-78-6]**Phosphonic acid** [13598-36-2]

Cyclic derivatives, including anhydrides, esters, and hydrazides, of phosphonic acid and its derivatives, are indexed at the ring names. Thus, the cyclic diester of pentaerythritol with phosphonic acid is indexed at 2,4,8,10-Tetraoxa-3,9-diphosphaspiro[5.5]undecane, 3,9-dioxide, and the cyclic 1,4-butanediyl ester of phenylphosphonic acid is indexed at 1,3,2-Dioxaphosphopane, 2-phenyl-, 2-oxide

See also *Phosphorous acid* [10294-56-1]**dianhydride with isocyanic acid** — see *Phosphonic diisocyanate* [4708-09-2]—, (1-amino-2-carboxyethyl)- See *Propanoic acid, 3-amino-3-phosphono-* [5652-40-4]—, (2-amino-2-carboxyethyl)- See *Alanine, 3-phosphono-* [5652-28-8]—, (1-amino-glucosyl)-2,3,4,5,6-pentahydroxyhexyl)- See *Glucitol, 1-amino-1-deoxy-1-phosphono-* [31654-48-5]—, carboxy- See *Phosphinecarboxylic acid, dihydroxy-, oxide* [4428-95-9]

—, (4-carboxy-1,3-butadienyl)-

See *2,4-Pentadienoic acid, 5-phosphono-* [18538-17-5]—, [3-carboxy-1-(2-carboxyethyl)propyl]- See *Heptanedioic acid, 4-phosphono-* [5617-53-8]

—, (10-carboxydecyl)-

See *Undecanoic acid, 11-phosphono-* [4494-24-0]

—, (2-carboxyethyl)-

See *Propanoic acid, 3-phosphono-* [5962-42-5]

—, (carboxymethyl)-

See *Acetic acid, phosphono-* [4408-78-0]

—, (1-carboxynonyl)-

See *Decanoic acid, 2-phosphono-* [6049-63-4]

—, (1-carboxypentyl)-

See *Hexanoic acid, 2-phosphono-* [5723-38-6]

—, (3-carboxypropyl)-

See *Butanoic acid, 4-phosphono-* [4378-43-2]

—, (chlorothio)-

See *Thiohypochlorous acid, anhydrosulfide with phosphorothioic acid* [26647-84-7]

—, cyano-

See *Phosphorocyanidic acid* [25758-21-8]

—, dithio-

See *Phosphonodithioic acid* [25757-41-9]

—, 1-hydrazinyl-2-ylidenetriss-

See *Phosphorohydrazidic acid, diphosphono-* [14465-76-0]

—, hydrazobis-

See *Phosphorohydrazidic acid, 2-phosphono-* [14939-43-6]tetraethyl ester — see *Phosphorohydrazidic acid, 2-(diethoxyphosphinyl)-, diethyl ester* [4068-41-1]

—, (3-hydroxy-2-butenyl)-

intramol. ester — see *1,2-Oxaphosphole, 2,3-dihydro-2-hydroxy-5-methyl-, 2-oxide* [13913-68-3]

—, (1-hydroxybutyl)-

bimol. cyclic ester — see *1,4,2,5-Dioxadiphosphorinane, 2,5-dihydroxy-3,6-dipropyl-, 2,5-dioxide* [26707-78-8]

—, (4-hydroxybutyl)-

intramol. ester — see *1,2-Oxaphosphorinane, 2-hydroxy-, 2-oxide* [1193-13-1]

—, (1-hydroxyethyl)-

cyclic 1,2-phenylene phosphite —

see *Phosphonic acid, [1-(1,3,2-benzodioxaphosphol-2-yloxy)ethyl]-* [4721-27-1]

—, (2-hydroxy-2-phenylethyl)-

bimol. cyclic ester —

see *1,5,2,6-Dioxadiphosphocane, 2,6-dihydroxy-4,8-diphenyl-, 2,6-dioxide* [16360-80-8]

—, [(2-hydroxyphenyl)methyl]-

intramol. ester — see *1,2-Benzoxaphosphole, 2,3-dihydro-2-hydroxy-, 2-oxide* [23636-45-5]

—, (3-hydroxypropyl)-

intramol. ester — see *1,2-Oxaphospholane, 2-hydroxy-, 2-oxide* [4721-33-9]

—, iminobis-

See *Imidodiphosphoric acid* [27590-04-1]

—, isocyanato-

See *Phosphorisocyanatidic acid* [23783-36-0]

—, mercuriobis-

See *Mercurate(4-), bis(phosphito(3-)-κP)-, tetrahydrogen* [14809-06-4]

—, methyl-

bimol. cyclic anhydride —

see *1,3,2,4-Dioxadiphosphetane, 2,4-dimethyl-, 2,4-dioxide* [1932-59-8]

—, (D-glucosyl)-2,3,4,5,6-pentahydroxyhexyl)-

See *D-Glucitol, 1-deoxy-1-phosphono-* [27898-71-1]

—, phenyl-

bimol. cyclic anhydride —

see *1,3,2,4-Dioxadiphosphetane, 2,4-diphenyl-, 2,4-dioxide* [10291-80-2]

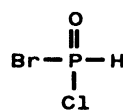
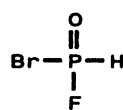
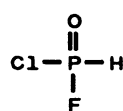
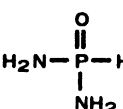
—, seleno-

See *Phosphonoselenoic acid* [25756-97-2]

—, thio-

See *Phosphonothioic acid* [19028-32-1]

—, trithio-

See *Phosphonotrithioic acid* [25757-04-4]**Phosphonic azide chloride**See *Phosphonazidic chloride* [14500-69-7]**Phosphonic bromide chloride** [25757-13-5]**Phosphonic bromide fluoride** [31434-49-8]**Phosphonic chloride fluoride** [25757-14-6]**Phosphonic diamide** [15376-33-7]

—, N-(aminocarbonyl)-

See *Urea, (aminophosphinyl)-* [27874-40-4]

—, P-(aminocarbonyl)-

See *Phosphinecarboxamide, 1,1-diamino-, 1-oxide* [27874-41-5]

—, N-(aminoiminomethyl)-N'-phenyl-

See *Guanidine, [(phenylamino)phosphinyl]-***Phosphonimidic bromide chloride**

[28735-77-5]

—, P-(2-amino-2-oxoethyl)-

See *Acetamide, 2-(diaminophosphinyl)-* [5663-51-4]

—, N-benzoyl-N'-phenyl-

See *Benzamide, N-[(phenylamino)phosphinyl]-* [5815-34-9]

—, N,N'-bis(aminocarbonyl)-

See *Urea, N,N''-phosphinylidenebis-* [6706-48-5]

—, bis(dichloromethylene)-

See *Carbonimidic dichloride, phosphinylidenebis-* [27874-39-1]

—, N-carboxy-

See *Carbamic acid, (aminophosphinyl)-* [27874-42-6]

—, P-carboxy-

See *Phosphinecarboxylic acid, diamino-, 1-oxide* [26647-75-6]

—, P-(2-carboxyethyl)-

See *Propanoic acid, 3-(diaminophosphinyl)-* [4767-06-0]

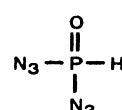
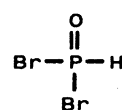
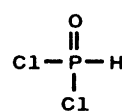
—, P-(carboxymethyl)-

See *Acetic acid, (diaminophosphinyl)-* [5699-10-5]

—, P-(3-carboxypropyl)-

See *Butanoic acid, 4-(diaminophosphinyl)-* [6536-89-6]

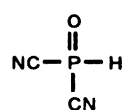
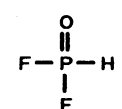
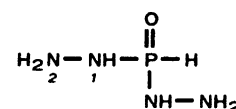
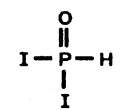
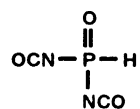
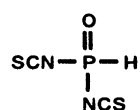
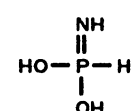
—, N,N'-dicarboxy-

See *Carbamic acid, phosphinylidenebis-* [5840-97-1]**Phosphonic diazide** [26137-57-5]**Phosphonic dibromide** [14939-39-0]**Phosphonic dichloride** [14939-40-3]

—, (2-carboxyethyl)-

See *Propanoic acid, 3-(dichlorophosphinyl)-* [4767-08-2]

—, (carboxymethyl)-

See *Acetic acid, (dichlorophosphinyl)-* [5807-24-9]**Phosphonic dicyanide** [54618-48-3]**Phosphonic difluoride** [14939-34-5]**Phosphonic dihydrazide** [14939-30-1]**Phosphonic diiodide** [25757-16-8]**Phosphonic diisocyanate** [4708-09-2]**Phosphonic diisothiocyanate** [4780-94-3]**Phosphonic monoperoxyacid**See *Phosphonoperoxoic acid* [25756-95-0]**Phosphonicollite**See *Phosphoric acid, compounds, nickel(2+) zinc salt (2:1:2)* [90053-13-7]**Phosphonimidic acid** [14939-35-6]

—, N-(phenylamino)-

cyclic 1,2-ethanediyl ester —

see *1,3,2-Dioxaphospholane, 2,2-dihydro-2-(phenylhydrazono)-* [27758-40-3]

cyclic 1,3-propanediyl ester —

see *1,3,2-Dioxaphosphorinane, 2,2-dihydro-2-(phenylhydrazono)-* [27764-93-8]diethyl ester — see *Hydrazine, (diethoxyphosphoranylidene)phenyl-* [27764-94-9]**Phosphonimidic bromide chloride** [83573-72-2]